

FIG.3

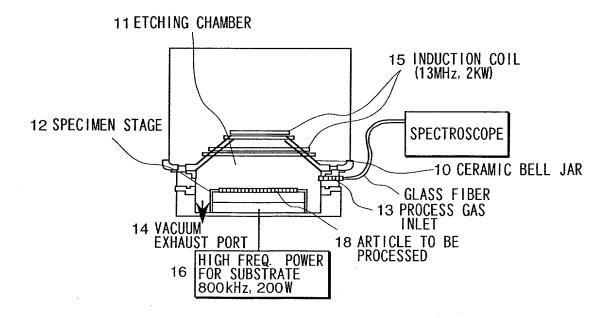


FIG.4

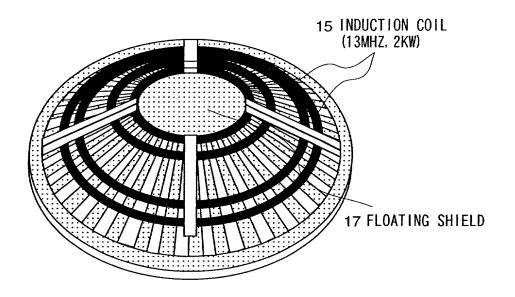
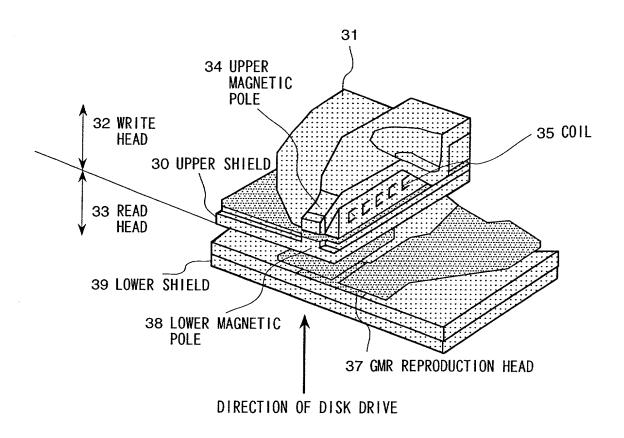


FIG.5

2 VACUUM
TRANSPORT 1 ETCHING 5 ATMOSPHERIC TRANSPORT TRANSP



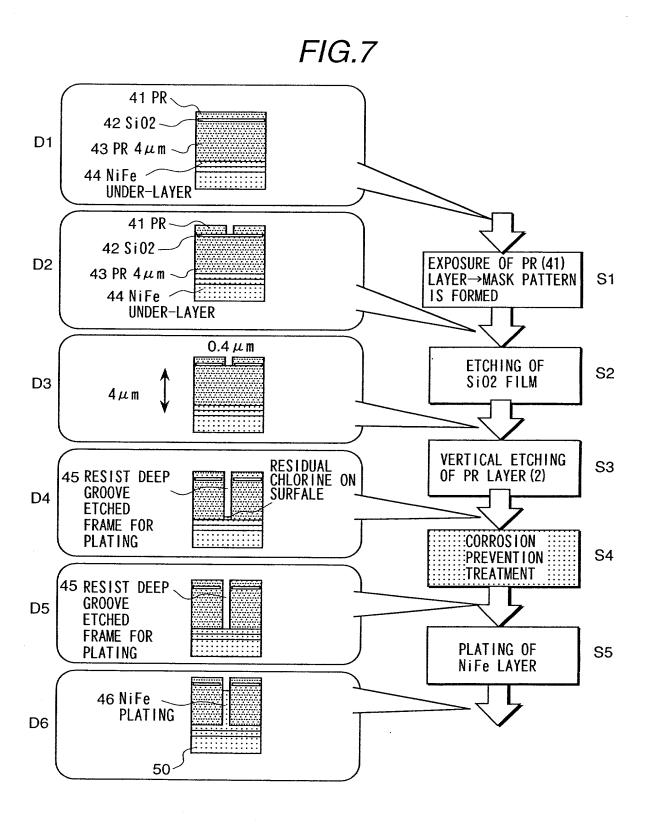
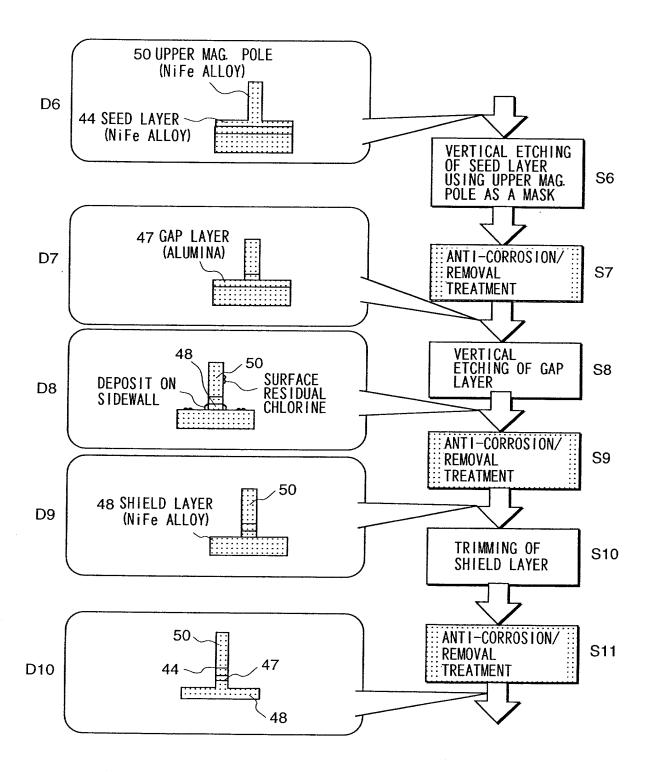
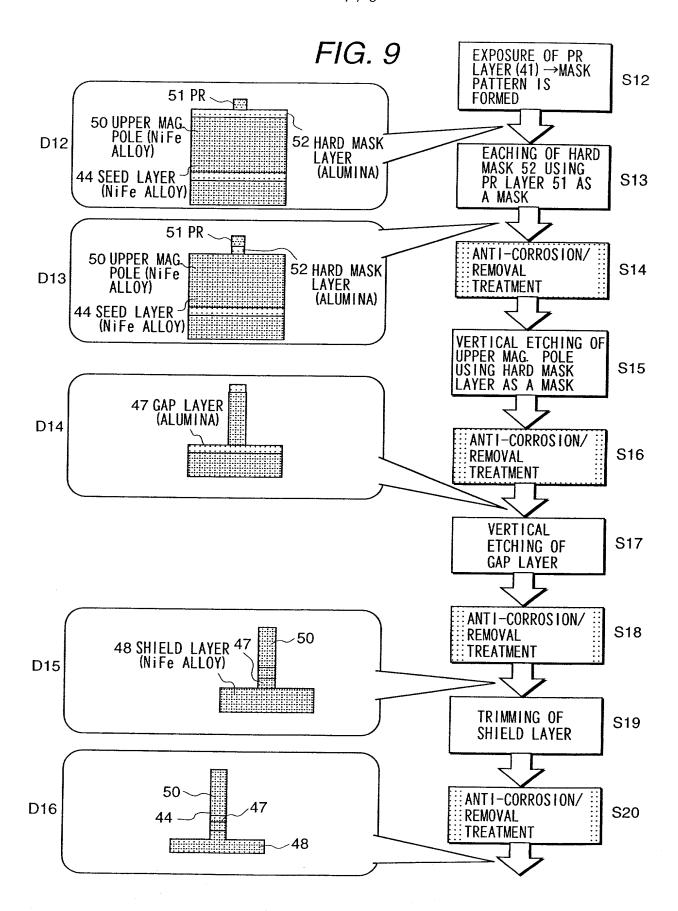


FIG.8





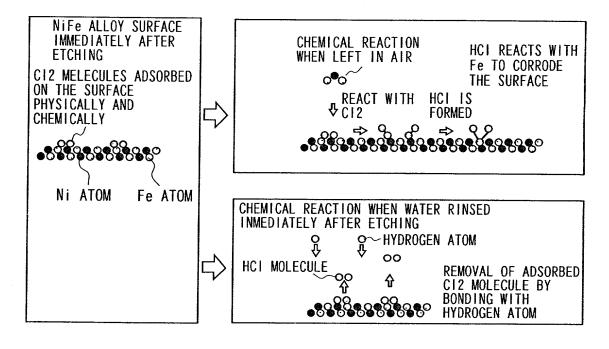
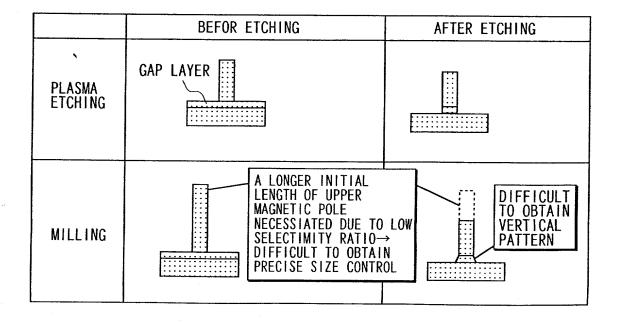


FIG.12



EXPERIMENTAL CONDITIONS*	TIME UNTIL CORROSION OCCURS
LEFT IN AIR AFTER ETCHING OF GAP LAYER	5 MIN.
LEFT IN AIR AFTER PURE WATER RINSING/DRYING WITHIN 2 MIN. AFTER ETCHING OF GAP LAYER	AFTER MORE THAN 2 WEEKS

ITEM	UNIT	RESULT
RATE	nm/min	108.5

*OTHER CONDITIONS

ITEM	CONDITIONS	
DEVICE STRUCTURES PRIOR TO & AFTER ETCHING	UPPER MAG. POLE GAP LAYER SHIELD LAYER (NiFe ALLOY)	
GAS	CI 20sccm+BCl3 30sccm	
PRESSURE	0.3Pa	
STAGE TEMP.	40℃	
SOURCE RF POWER	750W	
SOURCE RF FREQ.	13.56MHz	
BIAS RF POWER	60W	
BIAS RF FREQ.	800 KHz	